

ABSTRACT OF THE DISCLOSURE

The present invention relates to a process for identifying numerical changes in cell DNA, comprising the following steps:

- (a) isolating DNA from normal cells and amplifying the DNA by means of a PCR method using tag primers;
- (b) hybridizing cells under study *in situ* with the amplified DNA from (a);
- (c) amplifying DNA from the *in situ* hybridized cells from (b) by means of a PCR method using the tag primers from (a), and
- (d) identifying numerical changes in the amplified DNA from (c) in a normal way.

In addition, the invention concerns a kit suitable for carrying out the process.